Specifications



# switch disconnector, Compact INS125, 125A, standard version with black rotary handle, 3 poles

28910

### Main

Range	ComPact	
product name	ComPacT INS	
Product or component type	Switch disconnector	
Poles description	3P	
Network type	AC	
	DC	
Network frequency	50/60 Hz	
[le] rated operational current	AC-22A: 125 A AC 50/60 Hz 220/240 V	
	AC-22A: 125 A AC 50/60 Hz 380/415 V	
	AC-22A: 125 A AC 50/60 Hz 440/480 V	
	AC-22A: 125 A AC 50/60 Hz 500 V	
	AC-22A: 125 A AC 50/60 Hz 660/690 V	
	AC-23A: 125 A AC 50/60 Hz 220/240 V	
	AC-23A: 125 A AC 50/60 Hz 380/415 V	
	AC-23A: 125 A AC 50/60 Hz 440/480 V	
	AC-23A: 125 A AC 50/60 Hz 500 V	
	AC-23A: 80 A AC 50/60 Hz 660/690 V	
	DC-22A: 125 A DC 125 V 2 poles in series	
	DC-22A: 125 A DC 125 V 2 poles in series DC-23A: 125 A DC 125 V 2 poles in series	
[Ui] rated insulation voltage	800 V AC 50/60 Hz	
[Uimp] rated impulse withstand voltage	8 kV	
[Ith] conventional free air thermal current	125 A at 60 °C	
[Icm] rated short-circuit making capacity	154 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz 20 kA switch-disconnector alone 690 V AC at 50/60 Hz	
[Ue] rated operational voltage	125 V DC	
	690 V AC 50/60 Hz	
Suitability for isolation	Yes	
Contact position indicator	Yes	
Visible break	No	
Pollution degree	3	

# Complementary

control type	Rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	DIN rail Plate
Upside connection	Front

Downside connection	Front
Maximum power	AC-23: 55 kW at 440 V AC 50/60 Hz
	AC-23: 37 kW at 220/240 V AC 50/60 Hz
	AC-23: 55 kW at 380/415 V AC 50/60 Hz
	AC-23: 75 kW at 500/525 V AC 50/60 Hz
	AC-23: 75 kW at 660/690 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[Icw] rated short-time withstand	1 kA during 30 s conforming to IEC 60947-3
current	1.23 kA during 20 s conforming to IEC 60947-3
	3.175 kA during 3 s conforming to IEC 60947-3
	5.5 kA during 1 s conforming to IEC 60947-3
Mechanical durability	15000 cycles
Electrical durability	AC-22A: 1500 cycles 220/240 V AC 50/60 Hz
	AC-22A: 1500 cycles 380/415 V AC 50/60 Hz
	AC-22A: 1500 cycles 440 V AC 50/60 Hz
	AC-22A: 1500 cycles 500 V AC 50/60 Hz
	AC-23A: 1500 cycles 220/240 V AC 50/60 Hz
	AC-23A: 1500 cycles 380/415 V AC 50/60 Hz
	AC-23A: 1500 cycles 440 V AC 50/60 Hz
	AC-23A: 1500 cycles 500 V AC 50/60 Hz
	DC-22A: 1500 cycles 250 V DC 2 poles in series
	DC-23A: 1500 cycles 250 V DC 2 poles in series
	AC-22A: 1500 cycles 690 V AC 50/60 Hz
	AC-23A: 1500 cycles 690 V AC 50/60 Hz
Connection pitch	30 mm
Height	100 mm
Width	135 mm
Depth	62.5 mm
Net weight	0.8 kg

## Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	CCC KEMA-KEUR
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-2570 °C
Ambient air temperature for storage	-5085 °C

# Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.400 cm
Package 1 Width	11.400 cm
Package 1 Length	15.500 cm
Package 1 Weight	1.022 kg
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30.000 cm

Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.628 kg
Unit Type of Package 3	P12
Number of Units in Package 3	80
Package 3 Height	43.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	95.824 kg

### **Contractual warranty**

Warranty

18 months

# Lenvironmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability  $\geq$ 

${\mathcal Q}$ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	114
Environmental Disclosure	Product Environmental Profile

### **Use Better**

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACh Regulation	REACh Declaration
California proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

### Use Again

♡ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

# Product data sheet

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### **Technical Illustration**

### Assembly's dimensions

